

10649301

=> d his

(FILE 'HOME' ENTERED AT 11:47:49 ON 14 MAY 2004)

FILE 'REGISTRY' ENTERED AT 11:48:01 ON 14 MAY 2004

L1           STRUCTURE UPLOADED  
L2           4 S L1  
L3           58 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 11:49:08 ON 14 MAY 2004

L4           6 S L3

FILE 'MARPAT' ENTERED AT 11:50:15 ON 14 MAY 2004

L5           0 S L3  
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FILE 'CAPLUS' ENTERED AT 11:50:41 ON 14 MAY 2004

L7           9 S L6

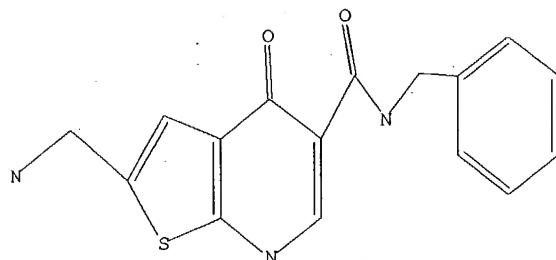
=> s 17 not 14

L8           4 L7 NOT L4

=> d 11

L1 HAS NO ANSWERS

L1           STR



Structure attributes must be viewed using STN Express query preparation.

=> d 1-4 bib abs

L8   ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN   2003:202648 CAPLUS  
DN   **138:238160**  
TI   Preparation of 4-thioxo-4,7-dihydro-thieno[2,3-b]pyridine-5-carbothioamides as antiviral agents  
IN   Thorarensen, Atli  
PA   Pharmacia & Upjohn Company, USA  
SO   PCT Int. Appl., 51 pp.  
CODEN: PIXXD2

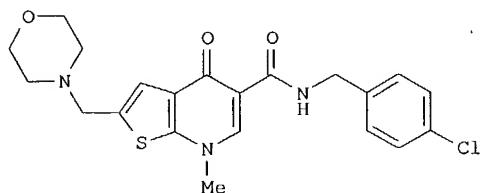
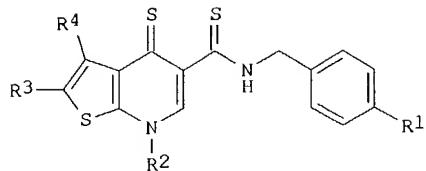
DT   Patent

LA   English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI   WO 2003020730	A1	20030313	WO 2002-US27738	20020829
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003100536	A1	20030529	US 2002-230891	20020829
PRAI US 2001-316129P	P	20010830		
OS   MARPAT	138:238160			
GI				

GI



AB The title compds. [I; R1 = Cl, Br, CN, NO<sub>2</sub>, F; R2 = H, aryl, heteroaryl, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyl, etc.], useful for treating a herpesvirus infection, atherosclerosis or restenosis, were prepared. Thus, treating II with Lawesson's reagent in the presence of KHMDS in dichloroethane/toluene afforded I [R1 = Cl; R2 = Me; R3 = morpholinomethyl; R4 = H] which showed IC<sub>50</sub> of 0.91 μM, 0.36 μM and 0.13 μM against HCMV, HSV and VZV polymerases, resp.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:202647 CAPLUS

DN 138:238159

TI Preparation of 4-thioxo-4,7-dihydro-thieno[2,3-b]pyridine-5-carboxamides as antiviral agents

IN Thorarensen, Atli

PA Pharmacia & Upjohn Company, USA

SO PCT Int. Appl., 53 pp.

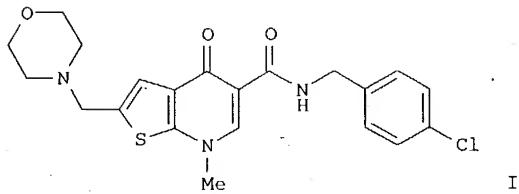
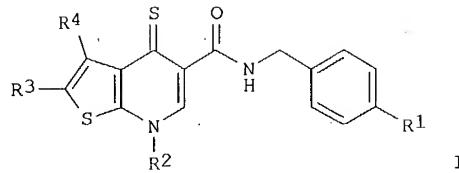
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003020729	A1	20030313	WO 2002-US27527	20020829
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003109542	A1	20030612	US 2002-230890	20020829
	US 6620810	B2	20030916		
PRAI	US 2001-316108P	P	20010830		
OS	MARPAT	138:238159			
GI					



**AB** The title compds. [I; R1 = Cl, Br, CN, NO<sub>2</sub>, F; R2 = H, aryl, heteroaryl, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyl, etc.], useful for treating a herpesvirus infection, atherosclerosis or restenosis, were prepared. Thus, treating II with Lawesson's reagent in the presence of KHMDS in dichloroethane/toluene afforded 37% I [R1 = Cl; R2 = Me; R3 = morpholinomethyl; R4 = H] which showed IC<sub>50</sub> of 0.63 μM, 0.16 μM and 0.08 μM against HCMV, HSV and VZV polymerases, resp.

**RE.CNT 1** THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

**L8** ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
**AN** 2003:202646 CAPLUS

**DN** **138:238158**

**TI** Preparation of 4-thioxo-4,7-dihydro-thieno[2,3-b]pyridine-5-carbothioamides as antiviral agents

**IN** Thorarensen, Atli

**PA** Pharmacia & Upjohn Company, USA

**SO** PCT Int. Appl., 41 pp.

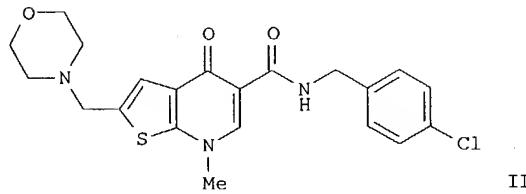
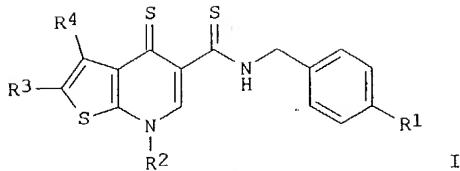
CODEN: PIXXD2

**DT** Patent

**LA** English

**FAN.CNT 2**

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003020728	A1	20030313	WO 2002-US25058	20020814
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003100536	A1	20030529	US 2002-230891	20020829
PRAI	US 2001-316129P	P	20010830		
OS	MARPAT	138:238158			
GI					



AB The title compds. [I; R1 = Cl, Br, CN, NO<sub>2</sub>, F; R2 = H, aryl, heteroaryl, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyl, etc.], useful for treating a herpesvirus infection, atherosclerosis or restenosis, were prepared. Thus, treating II with Lawesson's reagent in the presence of KHMDS in dichloroethane/toluene afforded I [R1 = Cl; R2 = Me; R3 = morpholinomethyl; R4 = H] which showed IC<sub>50</sub> of 0.91 μM, 0.36 μM and 0.13 μM against HCMV, HSV and VZV polymerases, resp.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:51456 CAPLUS

DN 136:118476

TI Preparation of heterocycle carboxamides as antiviral agents

IN Bundy, Gordon L.; Ciske, Fred L.; Genin, Michael J.; Heasley, Steven E.; Larsen, Scott D.; Lee, Byung Hyun; May, Paul D.; Palmer, John R.; Schnute, Mark E.; Vaillancourt, Valerie A.; Thorarensen, Atli; Wolf, Allison J.; Wicnienski, Nancy Anne; Wilhite, David

PA Pharmacia & Upjohn Company, USA

SO PCT Int. Appl., 161 pp.

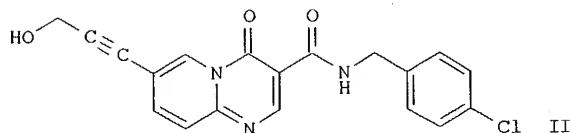
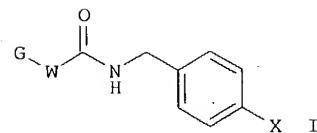
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002004444	A2	20020117	WO 2001-US16495	20010625
	WO 2002004444	A3	20020530		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2002025960	A1	20020228	US 2001-887794	20010622
	US 6559145	B2	20030506		
	EP 1301493	A2	20030416	EP 2001-948227	20010625
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	JP 2004502770	T2	20040129	JP 2002-509309	20010625
	US 2003207880	A1	20031106	US 2002-323027	20021218
PRAI	US 2000-217558P	P	20000712		
	US 2001-272142P	P	20010228		
	US 2001-887794	A3	20010622		
	WO 2001-US16495	W	20010625		
OS	MARPAT	136:118476			
GI					



AB The title compds. [I; X = Cl, Br, F, CN, NO<sub>2</sub>; G = alkyl which is fully saturated or partially unsatd. and is substituted by OH, or alkyl substituted by NR<sub>1</sub>R<sub>2</sub> or 4-tetrahydropyran; R<sub>1</sub> = alkyl substituted by OH, alkoxy, heteroaryl or aryl; R<sub>2</sub> = H, alkyl; NR<sub>1</sub>R<sub>2</sub> = (un)substituted morpholine, pyrrolidine substituted by OH; W = pyridopyrimidine, thiazolopyrimidine, benzothiadiazine, etc.], useful as antiviral agents, in particular, as agents against viruses of the herpes family, were prepared. Thus, alkylation of N-(4-chlorophenyl)-7-iodo-4-oxo-4H-pyrido[1,2-a]pyrimidine-3-carboxamide (preparation given) with propargyl alc. in the presence of PdCl<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub> and Et<sub>3</sub>N in DMF afforded 58% II.

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FILE 'REGISTRY' ENTERED AT 11:48:01 ON 14 MAY 2004

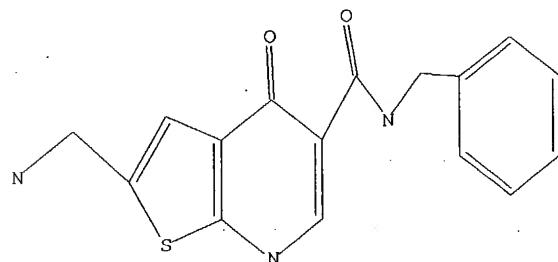
L1           STRUCTURE UPLOADED  
L2           4 S L1  
L3           58 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 11:49:08 ON 14 MAY 2004

L4           6 S L3

=> d l1

L1 HAS NO ANSWERS  
L1           STR



Structure attributes must be viewed using STN Express query preparation.

=> d 1-6 bib abs hitstr

L4   ANSWER 1 OF 6   CAPLUS   COPYRIGHT 2004 ACS on STN  
AN   2004:220341   CAPLUS  
DN   140:270842  
TI   Preparation of arylethanol(thienopyridinemethyl)amine derivatives as  
      antiviral agents  
IN   Schnute, Mark E.; Cudahy, Michele M.; Ciske, Fred L.; Genin, Michael J.;  
      Anderson, David J.; Judge, Thomas M.; Eggen, Marijean; Collier, Sarah A.  
PA   Pharmacia & Upjohn Company, USA  
SO   PCT Int. Appl., 59 pp.  
CODEN: PIXXD2

DT   Patent

LA   English

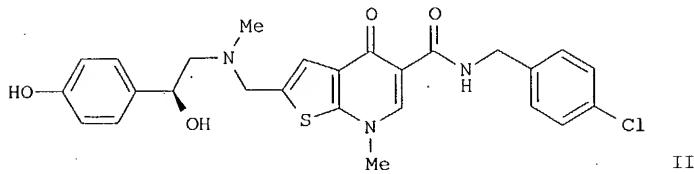
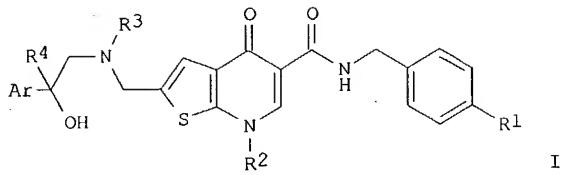
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI   WO 2004022568	A1	20040318	WO 2003-US24807	20030827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2002-408206P   P   20020904

OS   MARPAT 140:270842

GI



AB Arylethanol(thienopyridinemethyl)amine derivs. of formula I [R1 = halo, CN; R2 = (substituted) alkyl, etc.; R3 = alkyl; R4 = H, (substituted) alkyl; Ar = (substituted) Ph, aryl] are prepared as antiviral agents, in particular, as agents against viruses of the herpes family. Thus, II was prepared, and had IC50 of 0.05  $\mu$ M against HCMV polymerase.

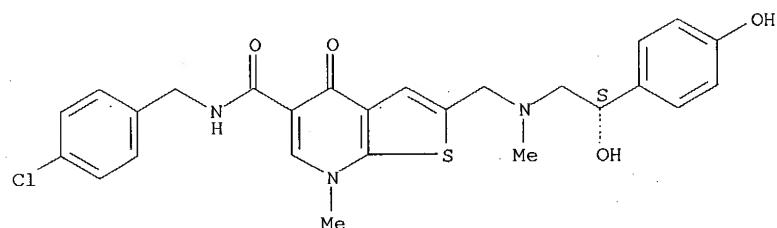
IT 672325-77-8P 672325-86-9P 672325-93-8P  
672325-95-0P 672325-97-2P 672325-98-3P  
672325-99-4P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of arylethanol(thienopyridinemethyl)amine derivs. as antiviral agents)

RN 672325-77-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-(4-hydroxyphenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

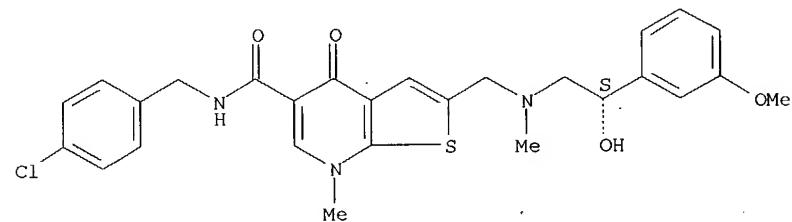
Absolute stereochemistry. Rotation (+).



RN 672325-86-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-(3-methoxyphenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



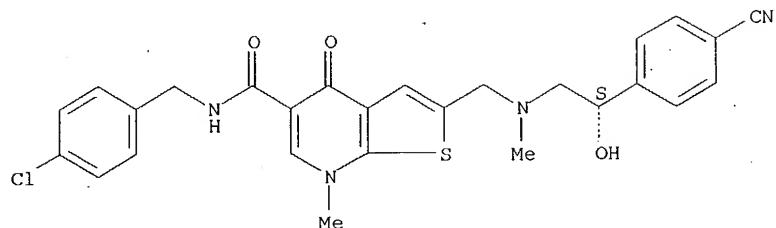
RN 672325-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-2-[[[(2S)-2-(4-cyanophenyl)-2-hydroxyethyl]methylamino]methyl]-4,7-dihydro-7-methyl-

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4-oxo- (9CI) (CA INDEX NAME)

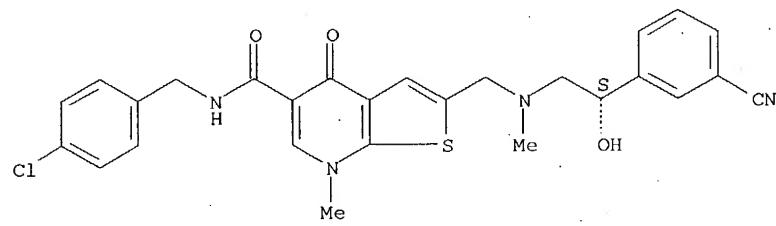
Absolute stereochemistry. Rotation (+).



RN 672325-95-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-chlorophenyl)methyl]-2-[(2S)-2-(3-cyanophenyl)-2-hydroxyethyl]methylamino]methyl}-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

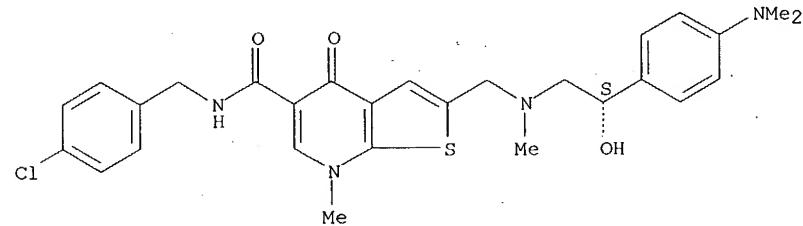
Absolute stereochemistry. Rotation (+).



RN 672325-97-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-chlorophenyl)methyl]-2-[(2S)-2-[4-(dimethylamino)phenyl]-2-hydroxyethyl]methylamino]methyl}-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

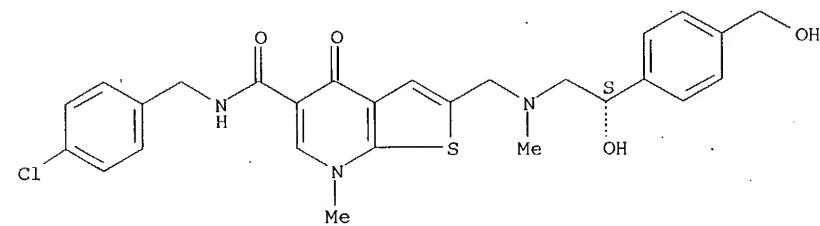
Absolute stereochemistry.



RN 672325-98-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2S)-2-hydroxy-2-[4-(hydroxymethyl)phenyl]ethyl]methylamino]methyl}-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

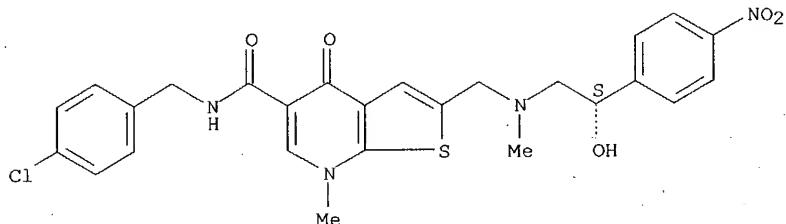
Absolute stereochemistry.



10649301

RN 672325-99-4 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-(4-nitrophenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

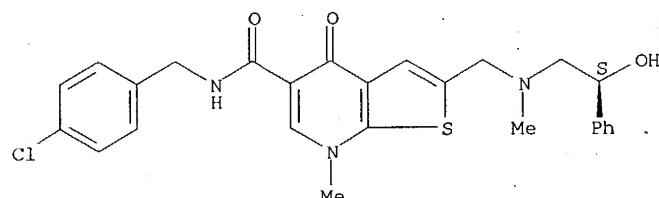


IT 672325-79-0P 672325-81-4P 672325-82-5P  
672325-84-7P 672325-88-1P 672325-90-5P  
672325-91-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of arylethanol(thienopyridinemethyl)amine derivs. as antiviral agents)

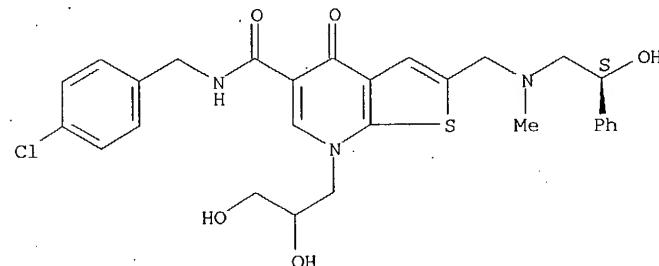
RN 672325-79-0 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



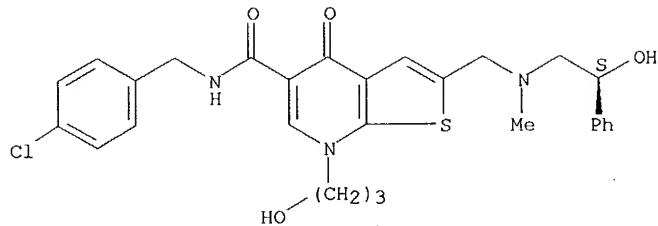
RN 672325-81-4 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-(2,3-dihydroxypropyl)-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



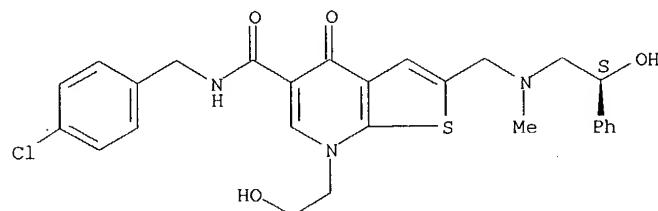
RN 672325-82-5 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-7-(3-hydroxypropyl)-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



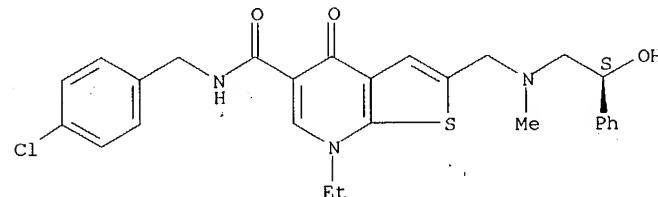
RN 672325-84-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-(2-hydroxyethyl)-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



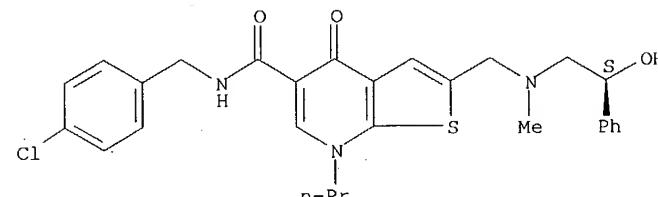
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 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-ethyl-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



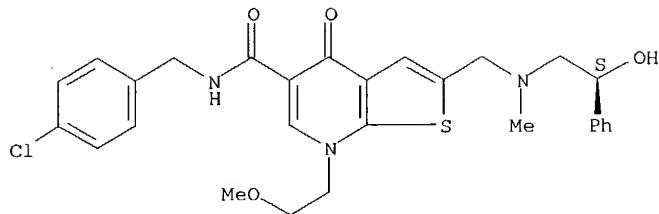
RN 672325-90-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo-7-propyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672325-91-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-7-(2-methoxyethyl)-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

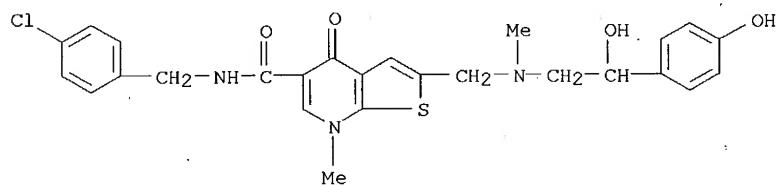


IT 292144-13-9

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process).  
(preparation of arylethanol(thienopyridinemethyl)amine derivs. as antiviral agents)

RN 292144-13-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(4-hydroxyphenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

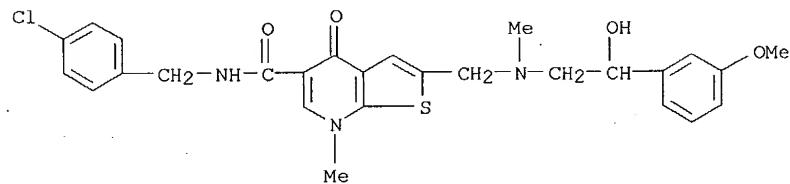


IT 672326-38-4P 672326-39-5P 672326-40-8P  
672326-41-9P 672326-42-0P 672326-43-1P

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process).  
(preparation of arylethanol(thienopyridinemethyl)amine derivs. as antiviral agents)

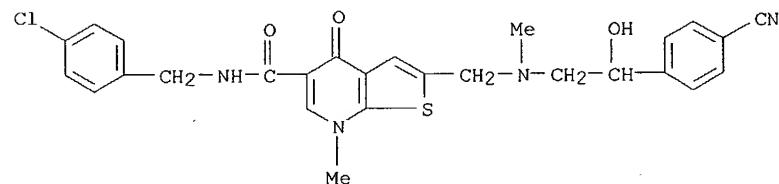
RN 672326-38-4 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(3-methoxyphenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



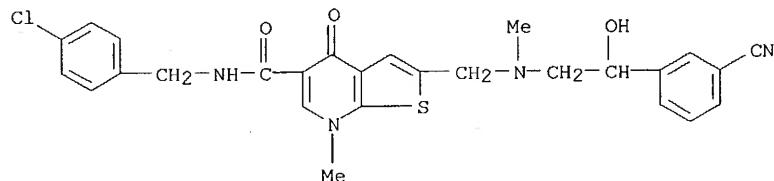
RN 672326-39-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-2-[[2-(4-cyanophenyl)-2-hydroxyethyl]methylamino]methyl]-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



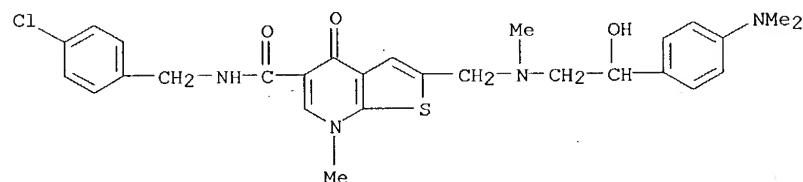
RN 672326-40-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-2-[[2-(3-cyanophenyl)-2-hydroxyethyl]methylamino]methyl]-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 672326-41-9 CAPLUS

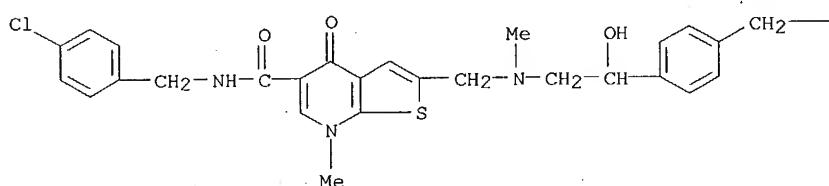
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-2-[[2-[4-(dimethylamino)phenyl]-2-hydroxyethyl]methylamino]methyl]-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 672326-42-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-[4-(hydroxymethyl)phenyl]ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

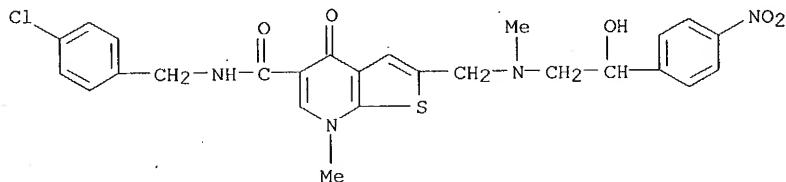


PAGE 1-B

— OH

RN 672326-43-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(4-nitrophenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



10649301

IT 672326-26-0P 672326-28-2P 672326-29-3P

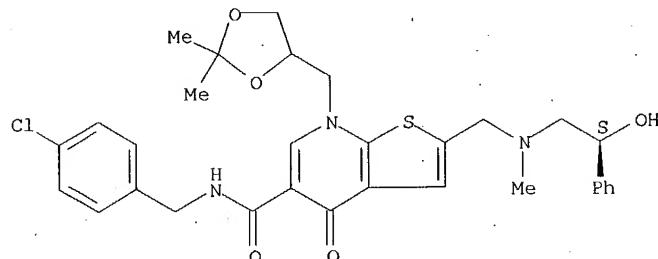
672326-30-6P 672326-32-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of arylethanol(thienopyridinemethyl)amine derivs. as antiviral  
agents)

RN 672326-26-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-[(2,2-  
dimethyl-1,3-dioxolan-4-yl)methyl]-4,7-dihydro-2-[[[(2S)-2-hydroxy-2-  
phenylethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

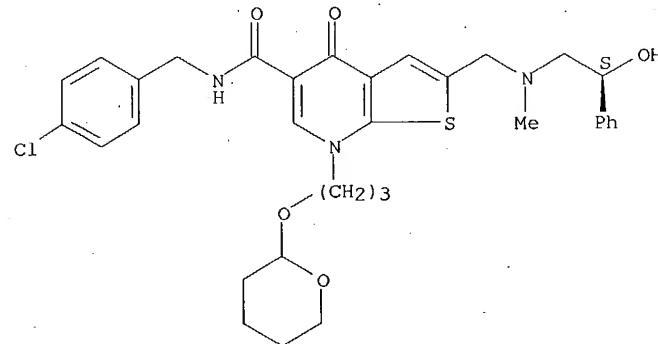
Absolute stereochemistry.



RN 672326-28-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-  
dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo-7-[3-  
[(tetrahydro-2H-pyran-2-yl)oxy]propyl]- (9CI) (CA INDEX NAME)

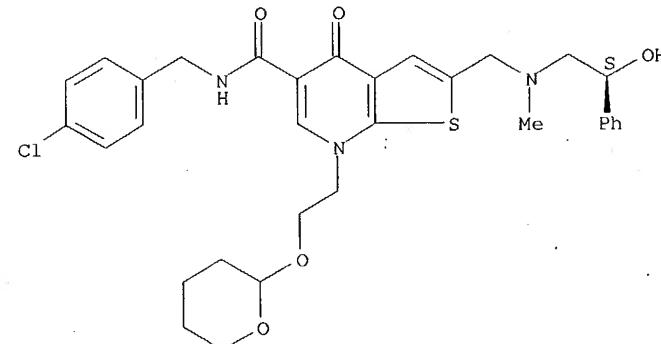
Absolute stereochemistry.



RN 672326-29-3 CAPLUS

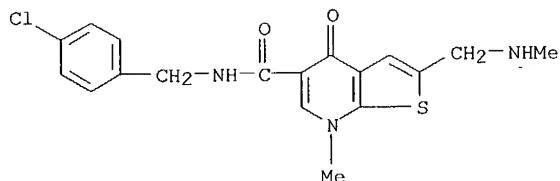
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-  
dihydro-2-[[[(2S)-2-hydroxy-2-phenylethyl]methylamino]methyl]-4-oxo-7-[2-  
[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

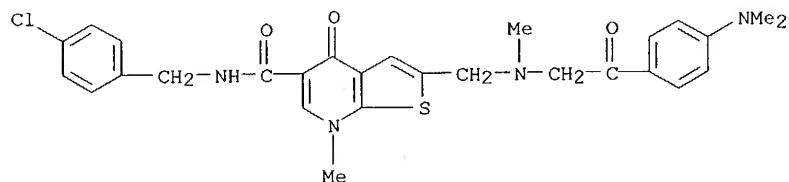


10649301

RN 672326-30-6 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-methyl-2-[(methylamino)methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 672326-32-8 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-2-[[2-[4-(dimethylamino)phenyl]-2-oxoethyl]methylamino]methyl]-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:220340 CAPLUS  
DN 140:270841  
TI Preparation of heteroarylethanolamines as antiviral agents  
IN Fleck, Thomas J.; Schnute, Mark E.; Cudahy, Michele M.; Anderson, David J.; Judge, Thomas M.; Herrington, Paul M.; Nair, Sajiv K.; Scott, Allen; Perrault, William R.; Tanis, Steven P.; Nieman, James A.; Collier, Sarah A.

PA Pharmacia & Upjohn Company, USA; Fleck, Bruce Francis

SO PCT Int. Appl., 90 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

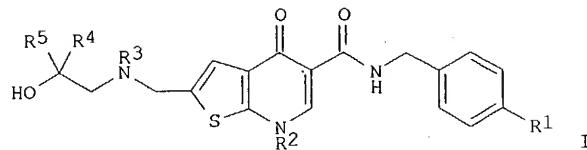
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2004022567 A1 20040318 WO 2003-US24806 20030827  
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GW, ML, MR, NE, SN, TD, TG

PRAI US 2002-408065P P 20020904

OS MARPAT 140:270841

GI



**AB** Title compds. [I; R1 = Cl, Br, F, cyano; R2 = alkyl, hydroxyalkyl, alkoxyalkyl,  $(\text{CH}_2)_m\text{OCH}_2\text{CH}_2\text{OH}$ ; m = 1, 2; R3 = alkyl; R4 = (R6-substituted) (benzo-fused) C-bonded 6-membered heteroaryl containing 1-3 N atoms; R5 = H, alkyl, hydroxyalkyl; R6 = halo, OCF<sub>3</sub>, cyano, NO<sub>2</sub>, CONR<sub>7</sub>R<sub>8</sub>, NR<sub>7</sub>R<sub>8</sub>, OR<sub>10</sub>, CO<sub>2</sub>R<sub>10</sub>, (unsatd.) (R9-substituted) alkyl, etc.; R7, R8 = H, (substituted) Ph, alkyl, cycloalkyl, etc.; R9 = O, OR<sub>10</sub>, SR<sub>10</sub>, halo, NR<sub>7</sub>R<sub>8</sub>, CO<sub>2</sub>R<sub>10</sub>, etc.; R10 = H, alkyl, cycloalkyl, (substituted) Ph], were prepared Thus, N-(4-chlorobenzyl)-2-(chloromethyl)-7-methyl-4-oxo-4,7-dihydrothieno[2,3-b]pyridine-5-carboxamide (preparation given), diisopropylethylamine, and 2-(methylamino)-1-pyridin-3-ylethanol hydrobromide were heated in DMF at 90° for 2 h to give N-(4-chlorobenzyl)-2-[(2-hydroxy-2-pyridin-3-ylethyl)(methyl)amino]methyl-7-methyl-4-oxo-4,7-dihydrothieno[2,3-b]pyridine-5-carboxamide. The latter inhibited HCMV, HSV, and VSV polymerase with IC<sub>50</sub> = 0.16, 0.58, and 0.22  $\mu\text{M}$ , resp.

**IT** **672949-14-3P**

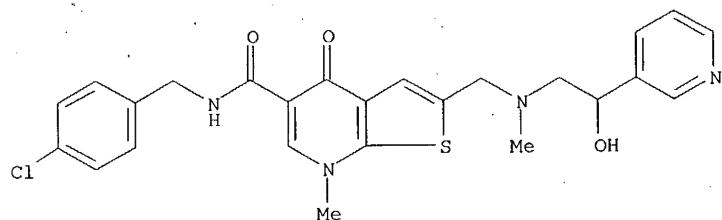
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heteroarylethanolamines as antiviral agents)

**RN** 672949-14-3 CAPLUS

**CN** Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-(3-pyridinyl)ethyl)methylamino]methyl-7-methyl-4-oxo-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



**IT** **672949-12-1P 672949-16-5P 672949-18-7P**

**672949-20-1P 672949-22-3P 672949-24-5P**

**672949-26-7P 672949-28-9P 672949-30-3P**

**672949-32-5P 672949-34-7P 672949-36-9P**

**672949-38-1P 672949-40-5P 672949-42-7P**

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**672949-50-7P 672949-52-9P 672949-54-1P**

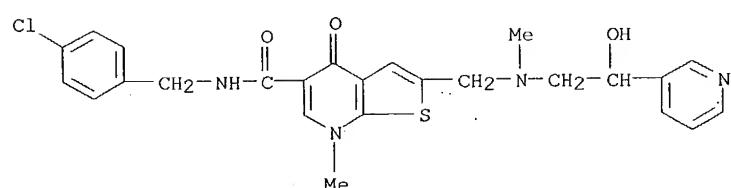
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heteroarylethanolamines as antiviral agents)

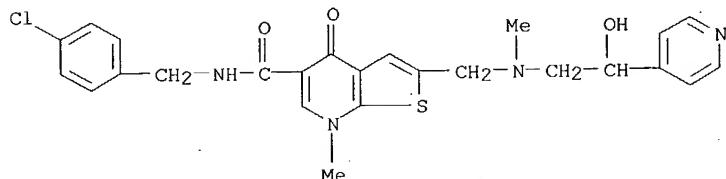
**RN** 672949-12-1 CAPLUS

**CN** Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-(3-pyridinyl)ethyl)methylamino]methyl-7-methyl-4-oxo-, (+)- (9CI) (CA INDEX NAME)

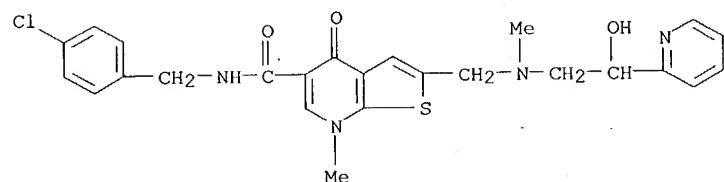


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RN 672949-16-5 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(4-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

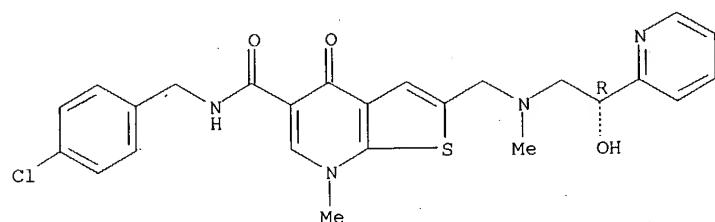


RN 672949-18-7 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

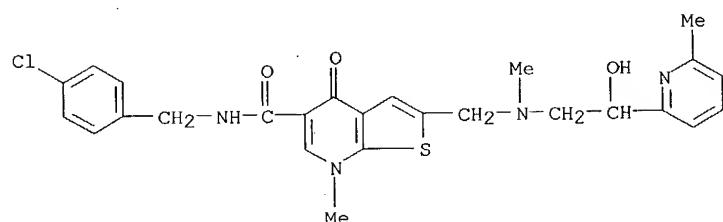


RN 672949-20-1 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



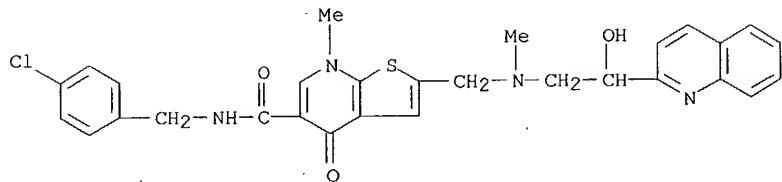
RN 672949-22-3 CAPLUS  
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(6-methyl-2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 672949-24-5 CAPLUS  
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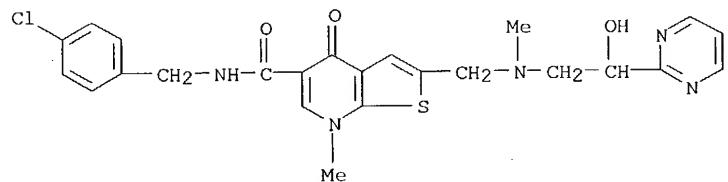
10649301

dihydro-2-[[2-hydroxy-2-(2-quinolinyl)ethyl]methylamino]methyl]-7-methyl-  
4-oxo- (9CI) (CA INDEX NAME)



RN 672949-26-7 CAPLUS

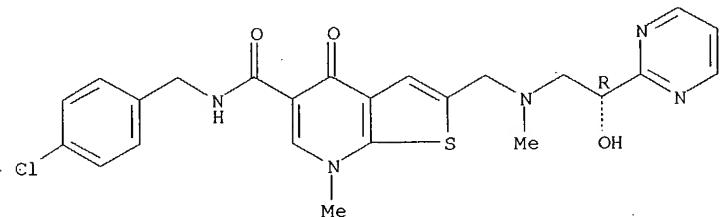
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(2-pyrimidinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



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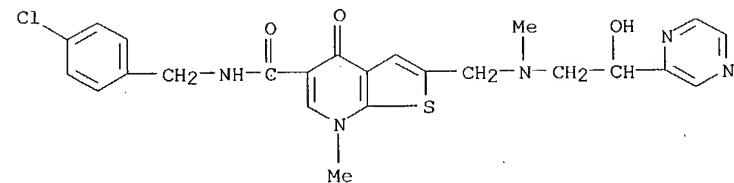
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[((2R)-2-hydroxy-2-(2-pyrimidinyl)ethyl)methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 672949-30-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-pyrazinylethyl)methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

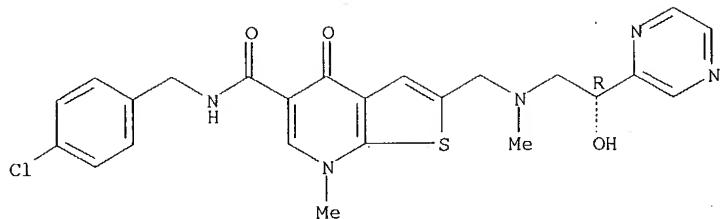


RN 672949-32-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[((2R)-2-hydroxy-2-pyrazinylethyl)methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

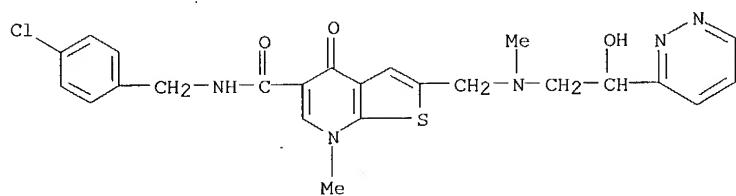
Absolute stereochemistry.

10649301



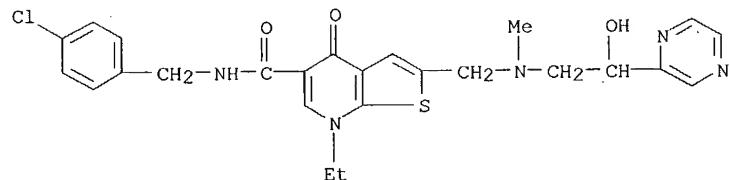
RN 672949-34-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(3-pyridazinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



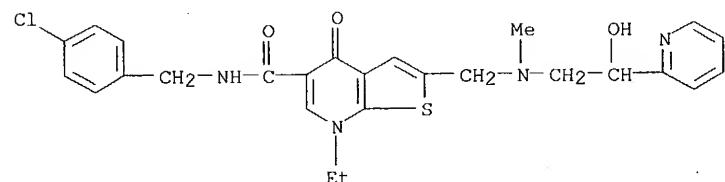
RN 672949-36-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-ethyl-4,7-dihydro-2-[[2-hydroxy-2-pyrazinylethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 672949-38-1 CAPLUS

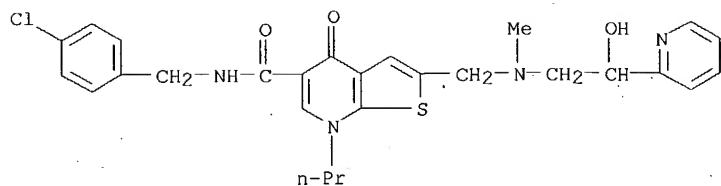
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-ethyl-4,7-dihydro-2-[[2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 672949-40-5 CAPLUS

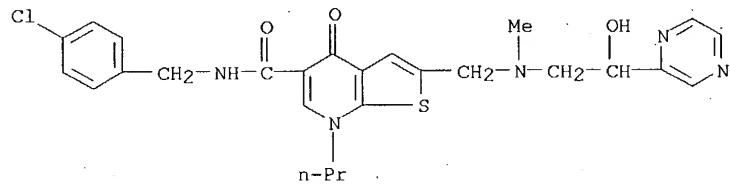
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-4-oxo-7-propyl- (9CI) (CA INDEX NAME)

10649301



RN 672949-42-7 CAPLUS

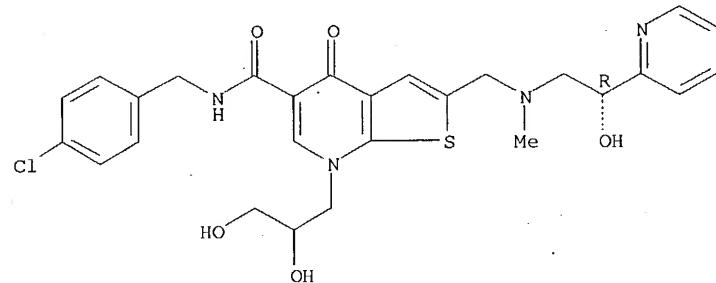
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-pyrazinylethyl)methylamino]methyl]-4-oxo-7-propyl- (9CI) (CA INDEX NAME)



RN 672949-44-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-(2,3-dihydroxypropyl)-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

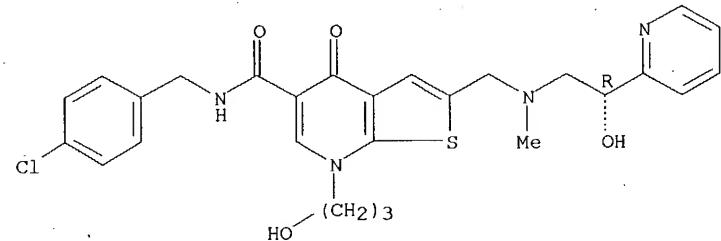
Absolute stereochemistry.



RN 672949-46-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-(3-hydroxypropyl)-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

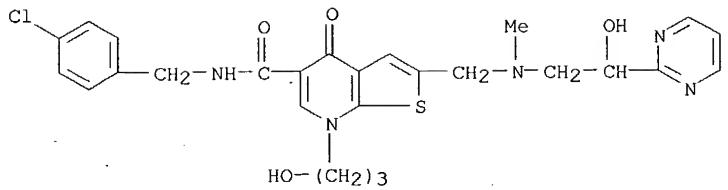
Absolute stereochemistry.



RN 672949-48-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-(3-hydroxypropyl)-2-[[2-hydroxy-2-(2-pyrimidinyl)ethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

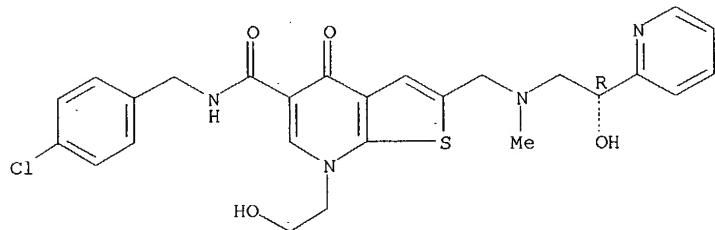
10649301



RN 672949-50-7 CAPLUS

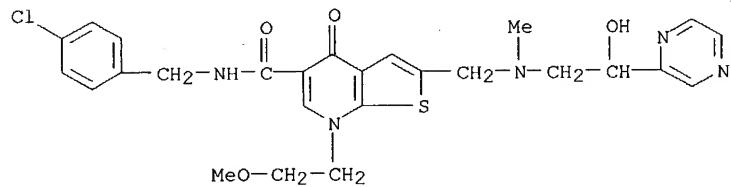
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-(2-hydroxyethyl)-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672949-52-9 CAPLUS

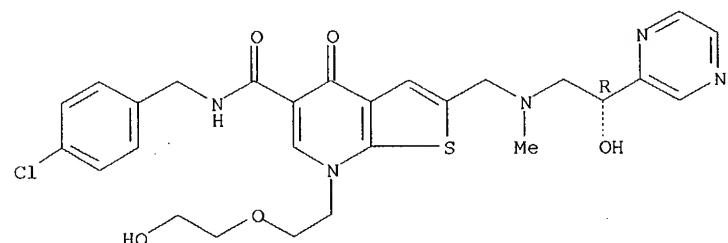
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2-hydroxy-2-pyrazinylethyl)methylamino]methyl]-7-(2-methoxyethyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 672949-54-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-[2-(2-hydroxyethoxy)ethyl]-2-[[[(2R)-2-hydroxy-2-(2-pyrazinylethyl)methylamino]methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

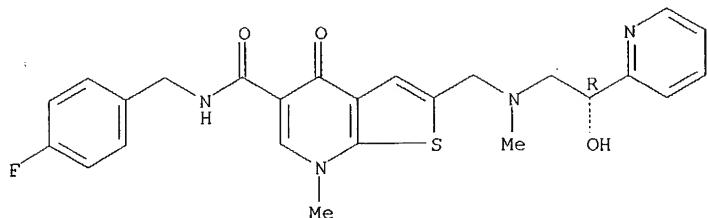


RN 672949-57-4 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-fluorophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

10649301

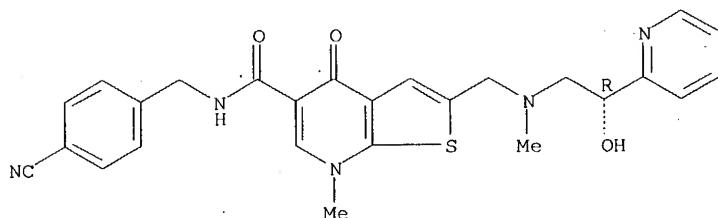
Absolute stereochemistry. Rotation (+).



RN 672949-59-6 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-cyanophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

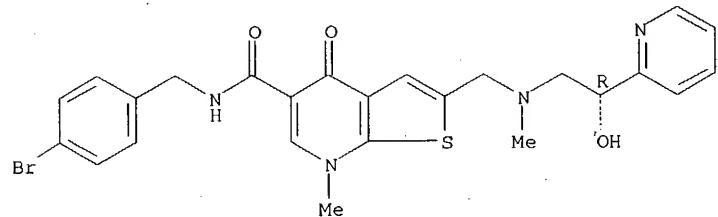
Absolute stereochemistry. Rotation (+).



RN 672949-61-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-bromophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

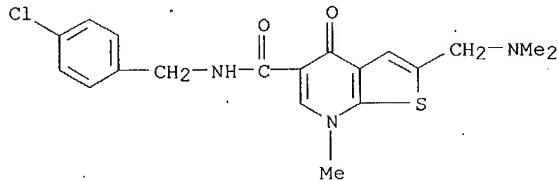


IT 672950-41-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of heteroarylethanolamines as antiviral agents)

RN 672950-41-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[{(4-chlorophenyl)methyl]-2-[(dimethylamino)methyl]-4,7-dihydro-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



IT 672326-30-6P 672950-21-9P 672950-23-1P  
672950-25-3P 672950-27-5P 672950-29-7P

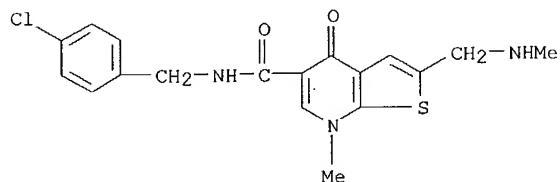
10649301

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation of heteroarylethanolamines as antiviral agents)

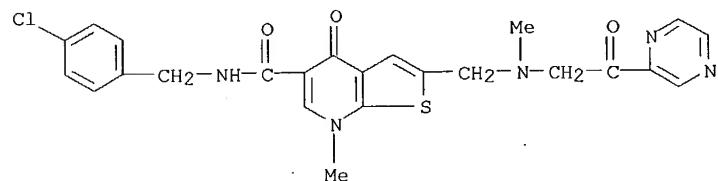
RN 672326-30-6 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-methyl-2-[(methylamino)methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 672950-21-9 CAPLUS

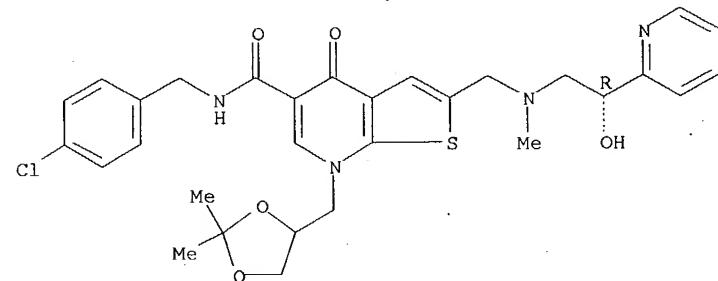
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-7-methyl-2-[(methyl(2-oxo-2-pyrazinylethyl)amino)methyl]-4-oxo- (9CI) (CA INDEX NAME)



RN 672950-23-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-7-[(2,2-dimethyl-1,3-dioxolan-4-yl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino)methyl]-4-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

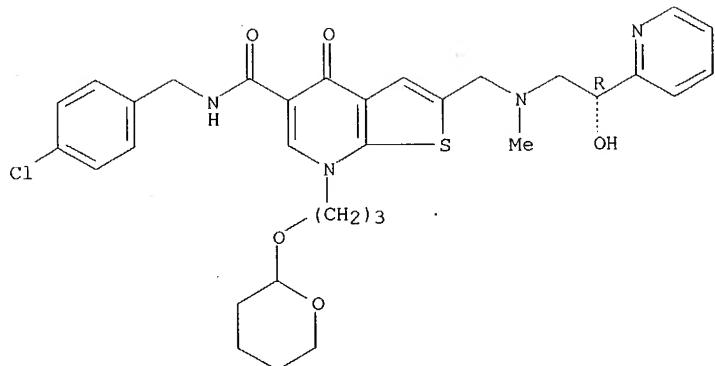


RN 672950-25-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-(2-pyridinyl)ethyl]methylamino)methyl]-4-oxo-7-[3-[(tetrahydro-2H-pyran-2-yl)oxy]propyl]- (9CI) (CA INDEX NAME)

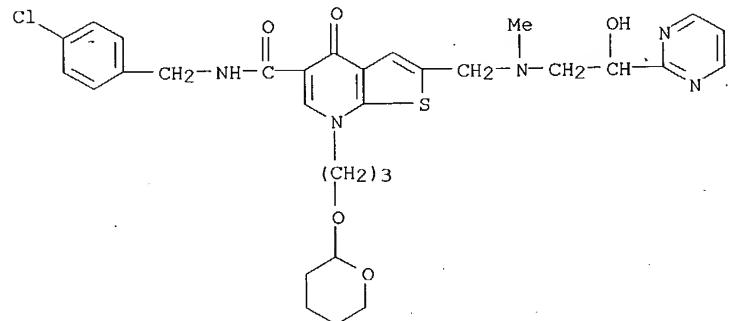
Absolute stereochemistry.

10649301



RN 672950-27-5 CAPLUS

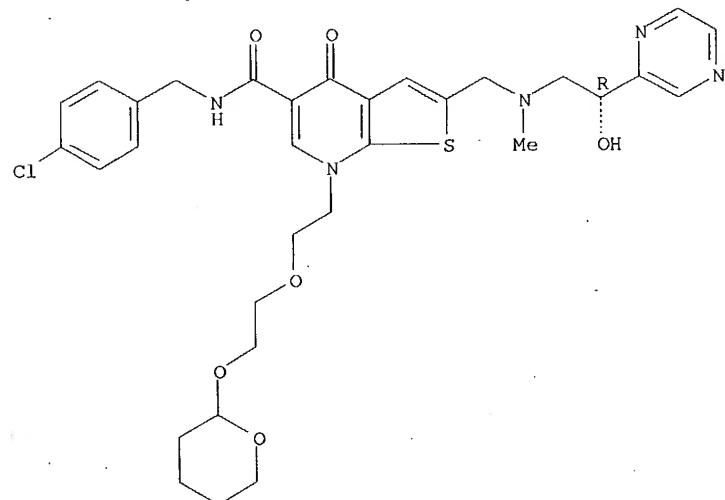
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[2-hydroxy-2-(2-pyrimidinyl)ethyl)methylamino]methyl]-4-oxo-7-[3-[(tetrahydro-2H-pyran-2-yl)oxy]propyl]- (9CI) (CA INDEX NAME)



RN 672950-29-7 CAPLUS

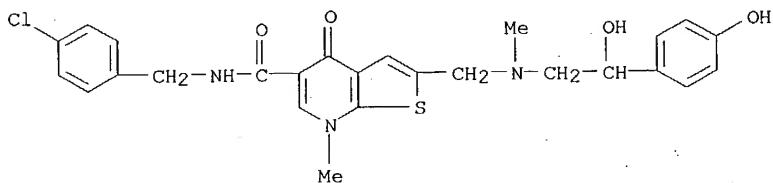
CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[[(2R)-2-hydroxy-2-pyrazinylethyl)methylamino]methyl]-4-oxo-7-[2-[(2-[(tetrahydro-2H-pyran-2-yl)oxy]ethoxy)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

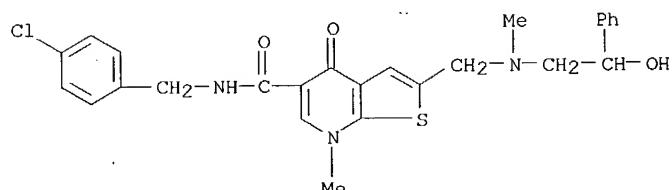


RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2004:203665 CAPLUS  
 DN 140:229446  
 TI Method using heterocyclic carboxamide compounds for preventing or treating atherosclerosis or restenosis  
 IN Wathen, Michael W.; Wathen, Lynne K.  
 PA Pharmacia & Upjohn Company, USA  
 SO PCT Int. Appl., 110 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 2004019939 A1 20040311 WO 2003-US26973 20030828  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,  
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU  
 RW: GH, GM, KB, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,  
 NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
 GW, ML, MR, NE, SN, TD, TG  
 PRAI US 2002-407090P P 20020830  
 OS MARPAT 140:229446  
 AB The invention provides a method of treating atherosclerosis or restenosis in a mammal which comprises administering an effective amount of a thieno[2,3-b]pyridine carboxamide derivative or a pyrrolo[3,2,1-ij]quinoline carboxamide derivative  
 IT 292144-13-9 292144-14-0  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (heterocyclic carboxamide compds. for preventing or treating atherosclerosis or restenosis)  
 RN 292144-13-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-(4-hydroxyphenyl)ethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 292144-14-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[[2-hydroxy-2-phenylethyl]methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

10649301

AN 2004:203660 CAPLUS

DN 140:229445

TI Method using heterocyclic carboxamides for preventing or treating atherosclerosis or restenosis

IN Wathen, Michael W.; Wathen, Lynne K.

PA Pharmacia & Upjohn Company, USA

SO PCT Int. Appl., 190 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004019933	A1	20040311	WO 2003-US26963	20030828
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2002-407563P P 20020830

US 2003-469630P P 20030509

OS MARPAT 140:229445

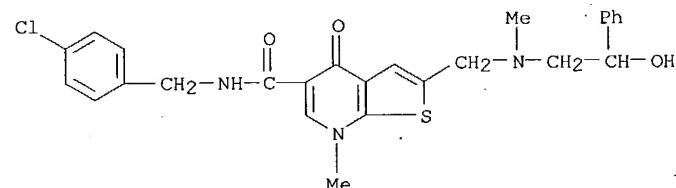
AB The invention provides a method of preventing or treating atherosclerosis or restenosis in mammals, which comprises administering an effective amount of a heterocyclic carboxamide.

IT 292144-14-0

RL: AGR (Agricultural use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(heterocyclic carboxamides for preventing or treating atherosclerosis or restenosis)

RN 292144-14-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-phenylethyl)methylamino]methyl-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:72315 CAPLUS

DN 136:129036

TI Method of screening 4-hydroxyquinolin (4-HQ), 4-oxo-dihydroquinoline (4-oxo-DHQ), and 4-oxo-dihydrothienopyridine (4-oxo-DHTP) derivatives as non-nucleoside herpesvirus DNA polymerase inhibitor

IN Homa, Fred L.; Wathen, Michael W.; Hopkins, Todd A.; Thomsen, Darrel R.

PA Pharmacia & Upjohn Company, USA

SO PCT Int. Appl., 126 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002006513	A2	20020124	WO 2001-US16525	20010713
WO 2002006513	A3	20030123	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,	

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,  
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,  
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002076789 A1 20020620 US 2001-904065 20010712

US 6682892 B2 20040127

PRAI US 2000-218118P P 20000713  
 US 2001-283880P P 20010413

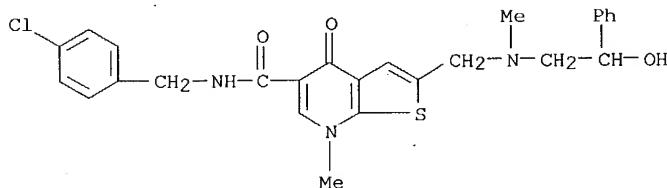
AB The present invention provides a method for selecting non-nucleoside herpesvirus DNA polymerase inhibitors from 4-HQ, 4-oxo-DHQ, and 4-oxo-DHTP derivs. by measuring IC50. The invention also provides sequences of mutant herpesvirus DNA polymerase genes which resist non-nucleoside inhibitors, and herpesvirus mutant strains containing the drug-resistant DNA polymerase genes. The present invention relates to a method for selecting an anti-herpes viral compound and a method for selectively inhibiting herpesvirus in a human host in need of such treatment. The present invention relates to a method for selecting an anti-herpes viral compound and a method for selectively inhibiting herpesvirus in a human host in need of such treatment.

IT 292144-14-0

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (4-HQ, 4-oxo-DHQ, and 4-oxo-DHTP derivs. as non-nucleoside herpesvirus DNA polymerase inhibitor)

RN 292144-14-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-phenylethyl)methylamino]methyl-7-methyl-4-oxo-(9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:646018 CAPLUS

DN 133:222607

TI Preparation of 4-oxo-4,7-dihydro-thieno[2,3-b]pyridine-5-carboxamides as antiviral agents

IN Schnute, Mark E.; Cudahy, Michele M.; Scott, Allen

PA Pharmacia and Upjohn Company, USA

SO PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000053610	A2	20000914	WO 2000-US5937	20000307
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WO 2000053610	A3	20010125
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,  
 CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,  
 IN, IS, JP, KE, KG, KP, KR, LC, LK, LR, LS, LT, LU, LV, MA,  
 MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6239142 B1 20010529 US 2000-521027 20000307

NZ 513758 A 20010928 NZ 2000-513758 20000307

EP 1159279 A2 20011205 EP 2000-913786 20000307

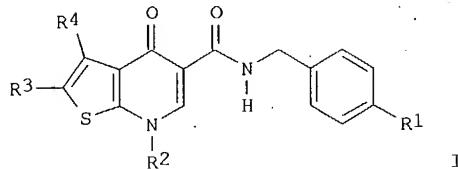
EP 1159279 B1 20021016

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO

BR 2000008804 A 20020416 BR 2000-8804 20000307

10649301

AT 226208	E	20021115	AT 2000-913786	20000307
JP 2002539130	T2	20021119	JP 2000-604046	20000307
ES 2184705	T3	20030416	ES 2000-913786	20000307
AU 759875	B2	20030501	AU 2000-35162	20000307
AU 2000035162	A5	20000928		
US 2002006937	A1	20020117	US 2001-824334	20010402
US 6495683	B2	20021217		
ZA 2001007255	A	20021202	ZA 2001-7255	20010831
NO 2001004363	A	20011108	NO 2001-4363	20010907
PRAI US 1999-123660P	P	19990309		
US 2000-521027	A3	20000307		
WO 2000-US5937	W	20000307.		
OS MARPAT 133:222607				
GI				



I

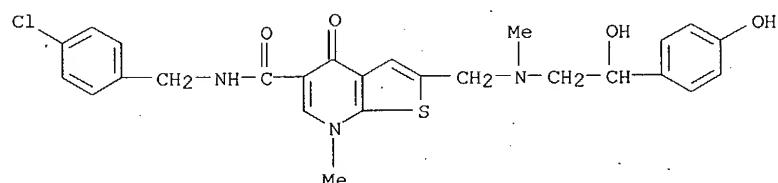
AB The title compds. [I; R1 = Cl, Br, CN, etc.; R2 = H, R5, NR7R8, etc.; R3 = H, halo, aryl, etc.; R4 = H, halo, alkyl, etc.; R5 = heterocyclyl bound via a carbon atom, (un)saturated (un)substituted alkyl, (un)saturated (un)substituted cycloalkyl, etc.; R7, R8 = H, aryl, (un)saturated (un)substituted alkyl; NR7R8 form a heterocyclyl] and their pharmaceutically acceptable salts, useful in preventing or treating a herpesvirus infection, were prepared Thus, reacting Et 4-hydroxythieno[2,3-b]pyridine-5-carboxylate with 4-chlorobenzylamine afforded 45% I [R1 = Cl; R2 = H; R3, R4 = H] which showed IC50 of 28.9 μM against HCMV polymerase.

IT **292144-13-9P 292144-14-0P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 4-oxo-4,7-dihydro-thieno[2,3-b]pyridine-5-carboxamides as antiviral agents)

RN 292144-13-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-(4-hydroxyphenyl)ethyl)methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)



RN 292144-14-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxamide, N-[(4-chlorophenyl)methyl]-4,7-dihydro-2-[(2-hydroxy-2-phenylethyl)methylamino]methyl]-7-methyl-4-oxo- (9CI) (CA INDEX NAME)

